

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF  
A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTION 20,

IN

**TOWNSHIP 23 SOUTH, RANGE 7 WEST**

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

**Michael L. Thompson**  
**Cadastral Surveyor**

Under Special Instructions dated **July 2, 2007**, approved **July 2, 2007**, which provided for the surveys included under Group Number **1050**, and assignment instructions dated **July 2, 2007**.

Survey commenced **July 5, 2007**  
Survey completed **July 6, 2007**

**INDEX DIAGRAM**  
Township 23 South, Range 7 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17 4	16	15	14	13
19	3 20 3	21	22	23	24
30	29	28	27	26	25
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<b>History of Surveys</b>	
<b>Surveyed by</b>	<b>Retr. or Resurveyed by</b>

All	A.J. Stewart, Jr.	1876		
All			H.W. Miller	1917
Portion			F.D. Reynolds	1996

All	A.J. Stewart, Jr.	1876		
Portion			M.R. Workman	1972-73

All	J. Bausman	1869		
All			A.J. Stewart, Jr.	1882
All			S.P. Stewart & E.N. Thompson	1915
Portion			G.E. Reynolds	1986

All	A.J. Stewart, Jr.	1876		
All			F.R. Chappell	1968

All	A.J. Stewart, Jr.	1876		
Portion			M.R. Workman	1972-73
Portion			G.E. Reynolds	1986

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods, dated May 9, 2001, Version 1.0, Trimble model 5800 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for the project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

TOWNSHIP 23 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH.

Cadastral Control Network was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): ECHO\_BRGN\_NV1999, DELTAMUNI\_UT2004, and MARYSVALE\_UT2006.

The geographic position of the 1/4 section corner of sections 17, and 20 of the Township as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 38°48'15.877" N.      Longitude: 112°39'50.737" W.    N.A.D. 1983,  
Network Accuracy = 0.100 meter at 95% confidence.  
N.A.V.D. 1988 Elevation: 4926 feet

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T.23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH.  
CHAINS

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Dependent Resurvey of a Portion of the Subdivisional Lines,  
Township 23 South, Range 7 West, Salt Lake Meridian, Utah

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Beginning at the 1/4 section corner of sections 20 and 29, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.

Found a burned juniper, 20 inches diameter, on S. side of monument. No trace of scribe on tree.

Corner is located 25 links north of barbed wire fence extending east and west.

N. 88° 34.0' W., between sections 20 and 29.

Over gently rolling land.

20.105 Point for the W 1/16 section corner of sections 20 and 29.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 12 inches in the ground to solid rock, with magnet at base, in a mound of stone, 3 feet base to top of aluminum cap marked:

	S20
W 1/16	<hr/>
	S29
	2007

40.210 The corner of sections 19, 20, 29, and 30, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.

A mound of stone, 2 1/2 feet base, 1 1/2 feet high, bears 3 links west of corner.

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N. 0° 27.7' E., between sections 19 and 20.

Over gently rolling land on top of lava ridge.

20.218 Point for the S 1/16 section corner of sections 19 and 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with magnet at base, and aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T.23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH.  
CHAINS

S 1/16

S19 | S20

2007

Set steel fence post alongside the aluminum post, with rock collar.

Corner is located on line of barbed wire fence extending north and south.

- 40.436 The 1/4 section corner of sections 19 and 20, monumented with a iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, in a mound of stone, 3 feet base to top of brass cap marked as described in the official record of the 1972 resurvey.

Found a steel fence post alongside the iron post.

Corner is located 667 links north of intersecting barbed wire fences extending north, west, and south.

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From the 1/4 section corner of sections 17 and 20, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.

A mound of stone, 2 feet base, 1 1/2 feet high, bears west alongside of corner.

Corner is located 455 links east of dirt road.

N. 89° 34.7' W., between sections 17 and 20.

Over gently rolling land.

- 20.345 Point for the W 1/16 section corner of sections 17 and 20.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, and aluminum cap marked:

W 1/16  $\frac{S17}{S20}$   
2007

Set steel fence post alongside the aluminum post.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T.23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH.  
CHAINS

- 40.690 The corner of sections 17, 18, 19, and 20, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.

Found a steel fence post alongside the iron post.

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The Subdivision of Section 20,  
Township 23 South, Range 7 West, Salt Lake Meridian, Utah

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From the 1/4 section corner of sections 20 and 29.

N. 0° 39.0 E., on the N-S centerline of section 20.

Over gently rolling land.

- 20.493 Point for the center S 1/16 section corner of section 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with magnet at base, and aluminum cap marked:

C  
S 1/16 | S20  
C  
2007

Set a steel fence post alongside the aluminum post.

Corner is located 455 links W. of dirt road.

- 40.986 Point for the C 1/4 section corner, at intersection of the E-W centerline of section 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, and aluminum cap marked:

T23S R7W  
C 1/4  
S20  
2007

Set a steel fence post alongside the aluminum post.

Corner is located 75 links west of dirt road.

Over gently rolling land.

THE SUBDIVISION OF SECTION 20,  
T. 23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 61.351 Point for the center N 1/16 section corner of section 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with magnet at base, and aluminum cap marked:

$$\begin{array}{c} \text{C} \\ \text{N } 1/16 \mid \text{S20} \\ \text{C} \\ 2007 \end{array}$$

Set a steel fence post alongside the aluminum post.

Corner is located 455 links west of dirt road.

- 81.716 The 1/4 section corner of sections 17 and 20.

From the 1/4 section corner of sections 20 and 21, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.

Found a steel fence post alongside the iron post.

Corner is located 4 links west of barbed wire fence extending north and south.

N. 89° 20.8' W., on the E-W centerline of section 20.

Over gently rolling land.

- 40.025 The center 1/4 section corner.

Continue over gently rolling land.

- 60.193 True point for the center W 1/16 section corner of section 20, falls on a large basalt boulder, impractical to monument.

- 80.361 The 1/4 section corner of sections 19 and 20.

From the N 1/16 section corner of sections 20 and 21, monumented with an iron post, 2 1/2 inches diameter, with brass cap marked as described in the official record of the 1972 resurvey.

Found a steel fence post alongside the iron post.

THE SUBDIVISION OF SECTION 20,  
T. 23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located 5 links west of barbed wire fence extending north and south.

N.  $89^{\circ} 56.4'$  W., on the E-W centerline of the NE 1/4 of section 20.

Over gently rolling land.

40.037 Point for the center N 1/16 section corner.

From the W 1/16 section corner of sections 20 and 29.

N.  $0^{\circ} 33.3'$  E., on the N-S centerline of the SW 1/4 of section 20.

Over gently rolling land.

20.355 Point for the SW 1/16 section corner of section 20, at intersection with the E-W centerline of the SW 1/4.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with magnet at base, and aluminum cap marked:

SW 1/16 S20  
2007

Set a steel fence post in a mound of stone, 2 feet base, and 1 foot high, alongside the aluminum post.

40.643 Point selected for the witness corner to the center W 1/16 section corner of section 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with magnet at base, and aluminum cap marked:

W 1/16 S20  
C — C  
↑  
WC  
2007

Set steel fence post alongside the aluminum post.

40.710 The true point for the center W 1/16 section corner of section 20.

THE SUBDIVISION OF SECTION 20,  
T. 23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From the center S 1/16 section corner of section 20.

N. 88° 57.5' W., on the E-W centerline of the SW 1/4 of section 20.

Over gently rolling land.

20.135 The SW 1/16 section corner of section 20.

40.270 The W 1/16 section corner of sections 19 and 20.

From the true point for the center W 1/16 section corner of section 20.

N. 0° 23.8' E., on the N-S centerline of the NW 1/4 of section 20.

Over gently rolling land.

20.133 Point selected for the witness corner to the NW 1/16 section corner of section 20.

Set aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with magnet at base, and aluminum cap marked:

NW 1/16 S20

↑  
WC

2007

Set steel fence post, 6 feet long, 2 feet in the ground, alongside the aluminum post.

Corner is located 4 1/2 links south of barbed wire fence.

20.325 True point for the NW 1/16 section corner at intersection with the E-W centerline of the NW 1/4 of section 20, falls in a dirt road where it would be susceptible to destruction. Road bears NW and SE..

40.650 The W 1/16 section corner of sections 17 and 20.

From the center N 1/16 section corner of section 20.

N. 89° 27.0' W., on the E-W centerline of the NW 1/4 of section 20.

Over gently rolling land.

THE SUBDIVISION OF SECTION 20,  
T. 23 S., R. 7 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 20.254 The true point for the NW 1/16 section corner of section 20.
- 40.508 The N 1/16 section corner of sections 19 and 20, monumented with an iron post, 2 1/2 inches diameter, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1972 resurvey.
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Daniel T. Gillins	Cadastral Surveyor

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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FIELD ASSISTANTS

Name	Capacity
Daniel T. Gillins	Cadastral Surveyor

## CERTIFICATE OF SURVEY

I, **Michael L. Thompson, Cadastral Surveyor**, hereby certify upon honor, that in pursuance of Special Instructions bearing the date of the **2<sup>nd</sup> day of July, 2007**, I have **executed the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 20, in Township 23 South, Range 7 West**, of the **Salt Lake Meridian**, in the State of **Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions of the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

March 9, 2009  
Date

Michael L. Thompson  
Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the subdivisional lines and the subdivision of section 20, in Township 23 South, Range 7 West, Salt Lake Meridian, Utah**.

executed by **Michael L. Thompson, Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

April 15, 2009  
Date

Daniel W. Webb  
(Chief Cadastral Surveyor for Utah)